Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID	:	**CP-2018-03-17-07**	**Date: 19-03-18**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.	
Address	:	Shettyhalli Sub division, BBMP, Bangalore.	
Project Name	:	Construction of RCC drains at 6th cross in Santosh Nagar and other roads in Ward no.13 Shettyhalli Sub division.	
Agency	:	Sri. Nischal .K Lakshman, No.3667, 5th cross, 'B' block, Gayatrinagara, Bengaluru-21	
Customer's Reference	:	EE/DD/WO/339/17-18	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	17-03-18	
Sample ID No	:	2018-03-17-07 /05	
Sample Type	:	Sunvik	
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.	
Date of test:	:	17-03-18	

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.389	525	638	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.613	555	662	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.886	577	672	19.0%	Satisfactory	Satisfactory

Note:

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AE-13
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2018-03-17-07** **Date: 21-03-18**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Construction of RCC drains at 6th cross in Santosh Nagar and other roads in Ward no.13 Shettyhalli Sub division.
Agency	:	Sri. Nischal .K Lakshman, No.3667, 5th cross, 'B' block, Gayatrinagara, Bengaluru-21
Customer's Reference	:	EE/DD/WO/339/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	17-03-18
Sample ID No	:	2018-03-17-07 /06
Sample Type /Size	:	Precast Cover Slab
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	17/03/2018

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.48	100.09	1.616	4474	100.3	22.4	20.9	26.1
2	Cover Slab-2	75.36	100.38	1.473	4460	103.1	23.1	21.5	26.9
3	Cover Slab-3	75.27	100.64	1.378	4449	107.7	24.2	22.5	28.1

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-03-24-05** **Date: 29/03/2018**

Customer : Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.

Address : Shettyhalli Sub division, BBMP, Bangalore.

Project Name : Construction of RCC drains at 6th cross in Santosh Nagar and other roads in Ward no.13 Shettyhalli Sub division.

Agency : Sri. Nischal .K Lakshman, No.3667, 5th cross, 'B' block, Gayatrinagara, Bengaluru-21

Customer's Reference : EE/DD/WO/339/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 24-03-18

Sample ID No : 2018-03-24-05 /01

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 29/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	22/03/2018	29/03/2018	150.82 X 150.51 X 150.19	22700	8.132	381.4	16.8	17.5
2	Drain Concrete	M20	22/03/2018	29/03/2018	151.04 X 150.23 X 150.11	22691	8.164	390.3	17.2	
3	Drain Concrete	M20	22/03/2018	29/03/2018	151.92 X 150.16 X 150.72	22812	8.206	419.7	18.4	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-03-24-05** **Date: 19/04/2018**

Customer : Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.

Address : Shettyhalli Sub division, BBMP, Bangalore.

Project Name : Construction of RCC drains at 6th cross in Santosh Nagar and other roads in Ward no.13 Shettyhalli Sub division.

Agency : Sri. Nischal .K Lakshman, No.3667, 5th cross, 'B' block, Gayatrinagara, Bengaluru-21

Customer's Reference : EE/DD/WO/339/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 24-03-18

Sample ID No : 2018-03-24-05 /02

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	22/03/2018	19/04/2018	149.11 X 151.98 X 150.66	22662	8.182	509.9	22.5	22.1
2	Drain Concrete	M20	22/03/2018	19/04/2018	150.55 X 150.29 X 149.66	22626	8.176	493.3	21.8	
3	Drain Concrete	M20	22/03/2018	19/04/2018	150.76 X 150.81 X 150.26	22736	8.154	497.9	21.9	

Note:

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-03-24-05** **Date: 29/03/2018**

Customer : Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.

Address : Shettyhalli Sub division, BBMP, Bangalore.

Project Name : Construction of RCC drains at 6th cross in Santosh Nagar and other roads in Ward no.13 Shettyhalli Sub division.

Agency : Sri. Nischal .K Lakshman, No.3667, 5th cross, 'B' block, Gayatrinagara, Bengaluru-21

Customer's Reference : EE/DD/WO/339/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 24-03-18

Sample ID No : 2018-03-24-05 /03

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 29/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	22/03/2018	29/03/2018	150.19 X 150.56 X 150.67	22613	8.235	398.0	17.6	17.1
2	Drain Concrete	M20	22/03/2018	29/03/2018	150.44 X 150.22 X 150.36	22599	8.254	381.7	16.9	
3	Drain Concrete	M20	22/03/2018	29/03/2018	150.44 X 150.22 X 150.11	22599	8.298	379.7	16.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-03-24-05** **Date: 19/04/2018**

Customer : Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.

Address : Shettyhalli Sub division, BBMP, Bangalore.

Project Name : Construction of RCC drains at 6th cross in Santosh Nagar and other roads in Ward no.13 Shettyhalli Sub division.

Agency : Sri. Nischal .K Lakshman, No.3667, 5th cross, 'B' block, Gayatrinagara, Bengaluru-21

Customer's Reference : EE/DD/WO/339/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 24-03-18

Sample ID No : 2018-03-24-05 /04

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	22/03/2018	19/04/2018	150.11 X 150.65 X 150.99	22614	8.288	506.6	22.4	22.2
2	Drain Concrete	M20	22/03/2018	19/04/2018	150.23 X 150.22 X 150.72	22568	8.262	503.3	22.3	
3	Drain Concrete	M20	22/03/2018	19/04/2018	150.42 X 150.18 X 150.45	22590	8.232	494.7	21.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-03-24-05** **Date: 29/03/2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
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Agency	:	Sri. Nischal .K Lakshman, No.3667, 5th cross, 'B' block, Gayatrinagara, Bengaluru-21
Customer's Reference	:	EE/DD/WO/339/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-03-18
Sample ID No	:	2018-03-24-05 /05
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	29/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	22/03/2018	29/03/2018	150.20 X 150.22 X 150.28	22563	8.446	394.9	17.5	17.7
2	Drain Concrete	M20	22/03/2018	29/03/2018	150.21 X 150.24 X 150.29	22568	8.399	404.0	17.9	
3	Drain Concrete	M20	22/03/2018	29/03/2018	150.24 X 150.18 X 150.22	22563	8.365	399.4	17.7	

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GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-03-24-05** **Date: 19/04/2018**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.
Address	:	Shettyhalli Sub division, BBMP, Bangalore.
Project Name	:	Construction of RCC drains at 6th cross in Santosh Nagar and other roads in Ward no.13 Shettyhalli Sub division.
Agency	:	Sri. Nischal .K Lakshman, No.3667, 5th cross, 'B' block, Gayatrinagara, Bengaluru-21
Customer's Reference	:	EE/DD/WO/339/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-03-18
Sample ID No	:	2018-03-24-05 /06
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	22/03/2018	19/04/2018	150.18 X 150.17 X 150.15	22553	8.289	475.9	21.1	
2	Drain Concrete	M20	22/03/2018	19/04/2018	150.22 X 150.24 X 150.26	22569	8.388	498.8	22.1	21.6
3	Drain Concrete	M20	22/03/2018	19/04/2018	150.22 X 150.10 X 150.13	22548	8.256	487.0	21.6	

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